

Application No. 1010/629,368  
Amendment dated August 29, 2006  
Reply to Office Action of May 31, 2006

Atty Dkt No. 02-479-C

## ABSTRACT

The present invention relates to methods for myocardial imaging by administering at least one 2-adenosine N-pyrazole, 2-adenosine C-pyrazole or a combination thereof A<sub>2A</sub> adenosine receptor agonist to a human undergoing myocardial imaging. The invention also relates to methods of producing coronary vasodilation without significant peripheral vasodilation by administering at least one 2-adenosine N-pyrazole, 2-adenosine C-pyrazole or a combination thereof adenosine A<sub>2A</sub> adenosine receptor agonist to a human.